

# Sergio Nesmachnow

## List of Publications by Citations

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149  
papers

1,383  
citations

17  
h-index

32  
g-index

167  
ext. papers

1,607  
ext. citations

1.6  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
149	Parallel metaheuristics: recent advances and new trends. <i>International Transactions in Operational Research</i> , <b>2013</b> , 20, 1-48	2.9	174
148	A survey on parallel ant colony optimization. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 5181-5197	7.5	144
147	An overview of metaheuristics: accurate and efficient methods for optimisation. <i>International Journal of Metaheuristics</i> , <b>2014</b> , 3, 320	0.8	140
146	Energy-Aware Scheduling on Multicore Heterogeneous Grid Computing Systems. <i>Journal of Grid Computing</i> , <b>2013</b> , 11, 653-680	4.2	60
145	A parallel micro evolutionary algorithm for heterogeneous computing and grid scheduling. <i>Applied Soft Computing Journal</i> , <b>2012</b> , 12, 626-639	7.5	43
144	Fast energy-aware OLSR routing in VANETs by means of a parallel evolutionary algorithm. <i>Cluster Computing</i> , <b>2013</b> , 16, 435-450	2.1	40
143	Granular physics in low-gravity environments using discrete element method. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2012</b> , 420, 3368-3380	4.3	40
142	Heterogeneous computing scheduling with evolutionary algorithms. <i>Soft Computing</i> , <b>2010</b> , 15, 685-701	3.5	30
141	Online Bi-Objective Scheduling for IaaS Clouds Ensuring Quality of Service. <i>Journal of Grid Computing</i> , <b>2016</b> , 14, 5-22	4.2	30
140	Cluster-UY: Collaborative Scientific High Performance Computing in Uruguay. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 188-202	0.3	26
139	Efficient Heuristics for Profit Optimization of Virtual Cloud Brokers. <i>IEEE Computational Intelligence Magazine</i> , <b>2015</b> , 10, 33-43	5.6	23
138	A distributed platform for big data analysis in smart cities: combining Intelligent Transportation Systems and socioeconomic data for Montevideo, Uruguay. <i>EAI Endorsed Transactions on Smart Cities</i> , <b>2017</b> , 2, 153478	1	21
137	Comparison of Multiobjective Evolutionary Algorithms for Prioritized Urban Waste Collection in Montevideo, Uruguay. <i>Electronic Notes in Discrete Mathematics</i> , <b>2018</b> , 69, 93-100	0.3	20
136	Exact and heuristic approaches for multi-objective garbage accumulation points location in real scenarios. <i>Waste Management</i> , <b>2020</b> , 105, 467-481	8.6	19
135	A hierarchical approach for energy-efficient scheduling of large workloads in multicore distributed systems. <i>Sustainable Computing: Informatics and Systems</i> , <b>2014</b> , 4, 252-261	3	19
134	A parallel local search in CPU/GPU for scheduling independent tasks on large heterogeneous computing systems. <i>Journal of Supercomputing</i> , <b>2015</b> , 71, 648-672	2.5	18
133	Multiobjective evolutionary optimization of traffic flow and pollution in Montevideo, Uruguay. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 70, 472-485	7.5	18

132	Analysis of Mobility Patterns for Public Transportation and Bus Stops Relocation. <i>Programming and Computer Software</i> , <b>2018</b> , 44, 508-525	0.8	16
131	Infrastructure Deployment in Vehicular Communication Networks Using a Parallel Multiobjective Evolutionary Algorithm. <i>International Journal of Intelligent Systems</i> , <b>2017</b> , 32, 801-829	8.4	15
130	Urban Mobility Data Analysis for Public Transportation Systems: A Case Study in Montevideo, Uruguay. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 5400	2.6	15
129	Multiobjective evolutionary algorithms for energy and service level scheduling in a federation of distributed datacenters. <i>International Transactions in Operational Research</i> , <b>2017</b> , 24, 199-228	2.9	14
128	Holistic multiobjective planning of datacenters powered by renewable energy. <i>Cluster Computing</i> , <b>2015</b> , 18, 1379-1397	2.1	14
127	Analysis of Sustainable Public Transportation and Mobility Recommendations for Montevideo and Parque Rodó Neighborhood. <i>Smart Cities</i> , <b>2020</b> , 3, 479-510	3.3	13
126	Smart home energy planning using IoT and the cloud <b>2017</b> ,		13
125	Traffic lights synchronization for Bus Rapid Transit using a parallel evolutionary algorithm. <i>International Journal of Transportation Science and Technology</i> , <b>2019</b> , 8, 53-67	3.3	13
124	Energy-aware online scheduling: Ensuring quality of service for IaaS clouds <b>2014</b> ,		12
123	Soft computing methods for multiobjective location of garbage accumulation points in smart cities. <i>Annals of Mathematics and Artificial Intelligence</i> , <b>2020</b> , 88, 105-131	0.8	12
122	Experimental Analysis of Secret Sharing Schemes for Cloud Storage Based on RNS. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 370-383	0.3	11
121	SCHEDULING IN HETEROGENEOUS COMPUTING AND GRID ENVIRONMENTS USING A PARALLEL CHC EVOLUTIONARY ALGORITHM. <i>Computational Intelligence</i> , <b>2012</b> , 28, 131-155	2.5	11
120	Multiobjective grid scheduling using a domain decomposition based parallel micro evolutionary algorithm. <i>International Journal of Grid and Utility Computing</i> , <b>2013</b> , 4, 70	1.1	11
119	Characterization, modeling and scheduling of power consumption of scientific computing applications in multicores. <i>Cluster Computing</i> , <b>2019</b> , 22, 839-859	2.1	10
118	Operating cost and quality of service optimization for multi-vehicle-type timetabling for urban bus systems. <i>Journal of Parallel and Distributed Computing</i> , <b>2019</b> , 133, 272-285	4.4	10
117	Metaheuristic approaches for IP/MPLS network design. <i>International Transactions in Operational Research</i> , <b>2018</b> , 25, 599-625	2.9	10
116	Parallel multiobjective evolutionary algorithms for batch scheduling in heterogeneous computing and grid systems. <i>Computational Optimization and Applications</i> , <b>2013</b> , 55, 515-544	1.4	9
115	An empirical time analysis of evolutionary algorithms as C programs. <i>Software - Practice and Experience</i> , <b>2015</b> , 45, 111-142	2.5	8

114	High-Performance Computing of Self-Gravity for Small Solar System Bodies. <i>Computer</i> , <b>2014</b> , 47, 34-39	1.6	8
113	A Parallel Hybrid Evolutionary Algorithm for the Optimization of Broker Virtual Machines Subletting in Cloud Systems <b>2013</b> ,		8
112	MAPREDUCE CHALLENGES ON PERVASIVE GRIDS. <i>Journal of Computer Science</i> , <b>2014</b> , 10, 2194-2210	0.5	8
111	Controlling datacenter power consumption while maintaining temperature and QoS levels <b>2014</b> ,		8
110	PER-MARE: Adaptive Deployment of MapReduce over Pervasive Grids <b>2013</b> ,		8
109	Non-intrusive energy disaggregation by detecting similarities in consumption patterns. <i>Revista Facultad De Ingeniería</i> ,	1	8
108	An integrated platform for smart energy management: the CC-SEM project. <i>Revista Facultad De Ingeniería</i> , <b>2019</b> ,	1	8
107	Computational Intelligence for Locating Garbage Accumulation Points in Urban Scenarios. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 411-426	0.9	8
106	Evolutionary algorithms applied to reliable communication network design. <i>Engineering Optimization</i> , <b>2007</b> , 39, 831-855	2	7
105	Household Energy Disaggregation Based on Pattern Consumption Similarities. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 54-69	0.3	7
104	Scheduling Energy Efficient Data Centers Using Renewable Energy. <i>Electronics (Switzerland)</i> , <b>2016</b> , 5, 71	2.6	7
103	Bi-objective online scheduling with quality of service for IaaS clouds <b>2014</b> ,		6
102	Evolutionary power-aware routing in VANETs using Monte-Carlo simulation <b>2012</b> ,		6
101	Short Term Load Forecasting of Industrial Electricity Using Machine Learning. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 146-161	0.3	6
100	An Empirical Study of the Robustness of Energy-Aware Schedulers for High Performance Computing Systems under Uncertainty. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 143-157	0.3	6
99	Distributed Big Data Analysis for Mobility Estimation in Intelligent Transportation Systems. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 146-160	0.3	5
98	Electricity demand forecasting in industrial and residential facilities using ensemble machine learning. <i>Revista Facultad De Ingeniería</i> ,	1	5
97	Parallel implementations of the MinMin heterogeneous computing scheduler in GPU. <i>CLEI Electronic Journal</i> , <b>2012</b> , 15,	0.6	5

96	Parallel/Distributed Generative Adversarial Neural Networks for Data Augmentation of COVID-19 Training Images. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 162-177	0.3	5
95	Exact and Evolutionary Algorithms for Synchronization of Public Transportation Timetables Considering Extended Transfer Zones. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 7138	2.6	5
94	<b>2015</b> ,		4
93	Evolutionary Approach for Bus Synchronization. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 320-336	0.3	4
92	Multiobjective Vehicle-type Scheduling in Urban Public Transport <b>2017</b> ,		4
91	Multiobjective scheduling of green-powered datacenters considering QoS and budget objectives <b>2015</b> ,		4
90	Solving Very Large Optimization Problems (Up to One Billion Variables) with a Parallel Evolutionary Algorithm in CPU and GPU <b>2012</b> ,		4
89	Time analysis of standard evolutionary algorithms as software programs <b>2011</b> ,		4
88	Optimizing household energy planning in smart cities: A multiobjective approach. <i>Revista Facultad De Ingeniería</i> ,	1	4
87	Urban Data Analysis for the Public Transportation System of Montevideo, Uruguay. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 199-214	0.3	4
86	Multiobjective Household Energy Planning Using Evolutionary Algorithms. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 269-284	0.3	4
85	Computational Intelligence for Evaluating the Air Quality in the Center of Madrid, Spain. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 115-127	0.3	4
84	Sustainable Mobility in the Public Transportation of Montevideo, Uruguay. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 93-108	0.3	4
83	Efficient parallel evolutionary algorithms for deadline-constrained scheduling in project management. <i>International Journal of Innovative Computing and Applications</i> , <b>2016</b> , 7, 34	0.4	4
82	Multiobjective evolutionary algorithms for the taxi sharing problem. <i>International Journal of Metaheuristics</i> , <b>2016</b> , 5, 67	0.8	3
81	Multiobjective Optimization of Greenhouse Gas Emissions Enhancing the Quality of Service for Urban Public Transport Timetabling <b>2017</b> ,		3
80	Smart placement of RSU for vehicular networks using multiobjective evolutionary algorithms <b>2015</b> ,		3
79	An Efficient Stochastic Local Search for Heterogeneous Computing Scheduling <b>2012</b> ,		3

78	A Parallel Multi-objective Local Search for AEDB Protocol Tuning <b>2013</b> ,		3
77	Solving a Ring Star Problem Generalization <b>2008</b> ,		3
76	ECD-UY, detailed household electricity consumption dataset of Uruguay.. <i>Scientific Data</i> , <b>2022</b> , 9, 21	8.2	3
75	Waste bins location problem: A review of recent advances in the storage stage of the Municipal Solid Waste reverse logistic chain. <i>Journal of Cleaner Production</i> , <b>2022</b> , 342, 130793	10.3	3
74	The Latin American supercomputing ecosystem for science. <i>Communications of the ACM</i> , <b>2020</b> , 63, 66-71	2.5	3
73	Using Metaheuristics as Soft Computing Techniques for Efficient Optimization <b>2015</b> , 7390-7399		3
72	Parallel Computing for Processing Data from Intelligent Transportation Systems. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 266-281	0.3	3
71	A Thermal Discomfort Index for Demand Response Control in Residential Water Heaters. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10048	2.6	3
70	A Parallel Multithreading Algorithm for Self-gravity Calculation on Agglomerates. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 311-325	0.3	3
69	Active Safety System for Urban Environments with Detecting Harmful Pedestrian Movement Patterns Using Computational Intelligence. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 9021	2.6	3
68	Simulation and evaluation of multicriteria planning heuristics for demand response in datacenters. <i>Simulation</i> , 003754972110200	1.2	3
67	Municipal Solid Waste Management in Smart Cities: Facility Location of Community Bins. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 102-115	0.3	3
66	Cloud Computing for Smart Energy Management (CC-SEM Project). <i>Communications in Computer and Information Science</i> , <b>2019</b> , 116-131	0.3	3
65	A bi-objective integer programming model for locating garbage accumulation points: a case study. <i>Revista Facultad De Ingeniería</i> , <b>2019</b> , 70-81	1	3
64	Computational Intelligence for Analysis of Traffic Data. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 167-182	0.3	3
63	An explicit evolutionary approach for multiobjective energy consumption planning considering user preferences in smart homes. <i>International Journal of Industrial Engineering Computations</i> , <b>2021</b> , 12, 365-380	1.7	3
62	Virtual Savant for the Heterogeneous Computing Scheduling Problem <b>2018</b> ,		3
61	Performance Improvements of a Parallel Multithreading Self-gravity Algorithm. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 291-306	0.3	2

60	Online taxi sharing optimization using evolutionary algorithms <b>2014</b> ,		2
59	Metaheuristics for the Virtual Machine Mapping Problem in Clouds. <i>Informatica</i> , <b>2015</b> , 26, 111-134	2.9	2
58	Demand Response and Ancillary Services for Supercomputing and Datacenters. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 203-217	0.3	2
57	Designing a Backbone Trunk for the Public Transportation Network in Montevideo, Uruguay. <i>Communications in Computer and Information Science</i> , <b>2020</b> , 228-243	0.3	2
56	Optimizing the Profit and QoS of Virtual Brokers in the Cloud. <i>Computer Communications and Networks</i> , <b>2017</b> , 277-300	0.5	2
55	Penalty Scheduling Policy Applying User Estimates and Aging for Supercomputing Centers. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 49-60	0.3	2
54	Power Consumption Characterization of Synthetic Benchmarks in Multicores. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 21-37	0.3	2
53	Multiobjective Energy-Aware Workflow Scheduling in Distributed Datacenters. <i>Communications in Computer and Information Science</i> , <b>2016</b> , 79-93	0.3	2
52	Analysis of Residential Electricity Consumption by Areas in Uruguay. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 42-57	0.3	2
51	Virtual Savant as a generic learning approach applied to the basic independent Next Release Problem. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 108, 107374	7.5	2
50	Travel Time Estimation in Public Transportation Using Bus Location Data. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 192-206	0.3	2
49	Exact Approach for Electric Vehicle Charging Infrastructure Location: A Real Case Study in Málaga, Spain. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 42-57	0.3	2
48	Learning to optimize timetables for efficient transfers in public transportation systems. <i>Applied Soft Computing Journal</i> , <b>2022</b> , 119, 108616	7.5	2
47	Computational Intelligence for Detecting Pedestrian Movement Patterns. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 148-163	0.3	1
46	Support Vector Machine Acceleration for Intel Xeon Phi Manycore Processors. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 277-290	0.3	1
45	Evolutionary algorithms for affinity scheduling heuristics in heterogeneous computing systems <b>2014</b> ,		1
44	A Parallel Evolutionary Algorithm for Multilayered Robust Network Design <b>2012</b> ,		1
43	Multiobjective Scheduling on Distributed Heterogeneous Computing and Grid Environments Using a Parallel Micro-CHC Evolutionary Algorithm <b>2011</b> ,		1

42	A* algorithm for GIS-based pipeline route selection in Veracruz, Mexico <b>2020</b> ,		1
41	Nature-Inspired Informatics for Telecommunication Network Design 323-371		1
40	Generation and Classification of Energy Load Curves Using a Distributed MapReduce Approach. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 3-17	0.3	1
39	Scheduling Algorithms for Distributed Cosmic Ray Detection Using Apache Mesos. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 359-373	0.3	1
38	Exploring the Accuracy of a Parallel Cooperative Model for Trajectory-Based Metaheuristics. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 319-326	0.9	1
37	Efficient Fluorescence Microscopy Analysis over a Volunteer Grid/Cloud Infrastructure. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 113-127	0.3	1
36	Multiobjective Energy-Aware Datacenter Planning Accounting for Power Consumption Profiles. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 128-142	0.3	1
35	MBSPDiscover: An Automatic Benchmark for MultiBSP Performance Analysis. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 158-172	0.3	1
34	Parallel virtual savant for the heterogeneous computing scheduling problem. <i>Journal of Computational Science</i> , <b>2020</b> , 39, 101048	3.4	1
33	Parallel/distributed implementation of cellular training for generative adversarial neural networks <b>2020</b> ,		1
32	Instance-Based Learning Following Physician Reasoning for Assistance during Medical Consultation. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5886	2.6	1
31	Demand Response Control in Electric Water Heaters: Evaluation of Impact on Thermal Comfort. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 74-89	0.3	1
30	Computational Intelligence for Characterization and Disaggregation of Residential Electricity Consumption. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 58-73	0.3	1
29	A Simulation-Optimization Approach for the Household Energy Planning Problem Considering Uncertainty in Users Preferences. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 253-267	0.3	1
28	A Case Study of Smart Industry in Uruguay: Grain Production Facility Optimization. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 101-115	0.3	1
27	A Practical Approach for Sustainable Transit Oriented Development in Montevideo, Uruguay. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 256-270	0.3	1
26	Parallel evolutionary approaches for game playing and verification using Intel Xeon Phi. <i>Journal of Parallel and Distributed Computing</i> , <b>2019</b> , 133, 258-271	4.4	0
25	Parallel/Distributed Intelligent Hyperparameters Search for Generative Artificial Neural Networks. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 297-313	0.9	0

24	Multi-objective Optimization of Vehicle Routing with Environmental Penalty. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 147-162	0.3	0
23	A Parallel Multilevel Data Decomposition Algorithm for Orientation Estimation of Unmanned Aerial Vehicles. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 206-220	0.3	0
22	Energy Aware Multiobjective Scheduling in a Federation of Heterogeneous Datacenters. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 337-352	0.3	
21	A Comparative Analysis of Accurate and Robust Bi-objective Scheduling Heuristics for Datacenters. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 223-235	0.3	
20	Parallel Metaheuristics in Telecommunications <b>2005</b> , 495-515		
19	Machine Learning for Generic Energy Models of High Performance Computing Resources. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 314-330	0.9	
18	Bio-inspired negotiation approach for smart-grid colocation datacenter operation.. <i>Mathematical Biosciences and Engineering</i> , <b>2022</b> , 19, 2403-2423	2.1	
17	Efficient Optimization Using Metaheuristics <b>2018</b> , 7693-7703		
16	Parallel Implementations of Self-gravity Calculation for Small Astronomical Bodies on Xeon Phi. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 157-173	0.3	
15	Comparison of Tree Based Strategies for Parallel Simulation of Self-gravity in Agglomerates. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 141-156	0.3	
14	Efficient Optimization Using Metaheuristics. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2019</b> , 1616-1628	0.3	
13	Cloud Computing for Fluorescence Correlation Spectroscopy Simulations. <i>Communications in Computer and Information Science</i> , <b>2015</b> , 34-49	0.3	
12	Communication-Aware Affinity Scheduling Heuristics in Multicore Systems. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 33-48	0.3	
11	Evaluation of a Master-Slave Parallel Evolutionary Algorithm Applied to Artificial Intelligence for Games in the Xeon-Phi Many-Core Platform. <i>Communications in Computer and Information Science</i> , <b>2017</b> , 161-176	0.3	
10	High-performance computing simulations of self-gravity in astronomical agglomerates. <i>Simulation</i> , <b>2019</b> , 003754972199876	1.4	
9	Public Transportation and Accessibility to Education Centers in Maldonado, Uruguay. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 123-138	0.3	
8	Automatic Generation of Interrelated Organisms on Virtual Environments. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 119-128	0.9	
7	Exact and Metaheuristic Approach for Bus Timetable Synchronization to Maximize Transfers. <i>Communications in Computer and Information Science</i> , <b>2021</b> , 183-198	0.3	

- 6 High Performance Computing Simulations of Granular Media in Silos. *Communications in Computer and Information Science*, **2021**, 34-48 0.3
- 5 Electricity Demand Forecasting Using Computational Intelligence and High Performance Computing. *Communications in Computer and Information Science*, **2021**, 146-161 0.3
- 4 Towards a Sustainable Mobility Plan for Engineering Faculty, Universidad de la República, Uruguay. *Communications in Computer and Information Science*, **2021**, 199-215 0.3
- 3 Energy-Aware Smart Home Planning: A Real Case Study in Montevideo, Uruguay. *Communications in Computer and Information Science*, **2022**, 146-161 0.3
- 2 A Machine Learning Approach for Detecting Traffic Incidents from Video Cameras. *Communications in Computer and Information Science*, **2022**, 162-177 0.3
- 1 Open-Source Big Data Platform for Real-Time Geolocation in Smart Cities. *Communications in Computer and Information Science*, **2022**, 207-222 0.3